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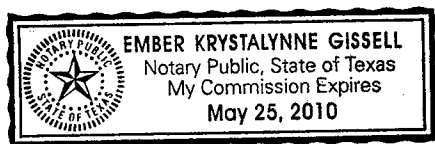
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I, Glenn D. Banton, hereby certify that the following is, to the best of my knowledge and belief, a true and accurate translation of the Priority Certificate with file number 100 64 400.7 dated December 21, 2000 from German into English.

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Sworn to before me this
27th day of October 2006

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Priority Certificate on the Filing of a Patent Application

File number: 100 64 400.7

Date of application: December 21, 2000

Applicant/Assignee: Siemens Aktiengesellschaft, Munich/DE

Title: Generation of XML pages from project data of an automation component and storage in runtime system

IPC: G 05 B 19/04

The attached materials are a correct and precise reproduction of the original documents of this patent application.

Munich, November 7, 2001

German Patent and Trademark Office

The President

p. p.

[signature] Sieck

Description

Generation of XML pages from project data of an automation component and storage in runtime system

An industrial control unit and/or arbitrary automation component (which is optionally programmable by the user) comprises an engineering system and a runtime system. All user data generated in the scope of the engineering are stored in a user project.

When preparing a user project for an industrial control unit and/or arbitrary automation component (e.g., a drive) with the aid of the engineering system, project data such as

- diagnostic data
- service images
- display images
- special program or machine variables
- system or user documentation (application documentation)
- hyperlinks to system or user documentation (application documentation)
- identification information (output conditions, versions) of hardware and software components

are converted by the user into the XML format or a comparable format readable using standard Internet clients, such as HTML, and stored in the data storage of the industrial control unit or the automation component in a file system.

If a web server (Internet server) is provided on the industrial control unit and/or automation component, this machine information may be accessed using standard browsers. The diagnostic, service, and display images may be instanced user-specifically and are generated in the scope of the normal engineering procedure. Project data may be

- general planning data, e.g., version info, preparation date, setting parameters, object model of the control unit, overall user project
- current data, e.g., cyclic actual values of the industrial control unit and/or automation component or, for example, variables of a user program.

Static and dynamic data may be mixed arbitrarily in the images in the display.

Patent Claims

1. An industrial control unit and/or automation component comprising an engineering system and a runtime system, characterized by a subset of the following features:
 - using the standard engineering system, web pages in XML format or in a format readable by standard Internet clients are generated in the scope of the standard engineering procedure (startup, application preparation) from the planning information
 - the web pages contain arbitrary information about the control unit and/or automation component and/or variables of the user application of the user program
 - the generated web pages are stored in the industrial control unit and/or automation component
 - subsets of the information (e.g., only service images) may be determined for the storage
 - the generation of the web pages may be triggered/influenced by the user for various aspects.
2. The industrial control unit according to Claim 1, characterized in that the variables of the control unit or the automation component and/or the variables of the user application contain static and/or dynamic control and/or application variables.
3. The industrial control unit according to Claim 1 or 2, characterized in that system or user documentation is stored directly and/or via hyperlinks.

4. The industrial control unit according to one of the preceding claims, characterized in that system and application identification information is stored.
5. The industrial control unit according to one of the preceding claims, characterized in that static and dynamic data are mixed in the images in the display.
6. The industrial controller according to one of the preceding claims, characterized in that a web server functionality is integrated in the industrial control unit.

Abstract of the Disclosure

Generation of XML pages from project data of an automation component and storage in runtime system.

Figure 1

[see source for drawings]

Web client

Browser Architecture tool

HTML XML

Engineering system (ES) Runtime system (RT) Web server

[illegible] tools Information preparation

XML

HTML

XML

Kernel

HTML

Current values

Machine